

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kasama, Toshio
Assignee: NHK Spring Co., Ltd.
Title: Conductive Contact Member
Serial No.: 10/070,290 Filing Date: February 28, 2002
Examiner: Unknown Group Art Unit: 2858
Docket No.: AB-1215 US

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COMMISSIONER FOR PATENTS
Washington, D.C. 20231

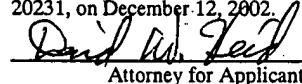
**SUBMISSION OF POWER OF ATTORNEY
BY APPLICANT OF ENTIRE INTEREST**

Sir:

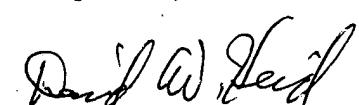
Applicant hereby submits the attached "Power of Attorney By Applicant Of Entire Interest" for the records of the above patent application.

If there are any questions, regarding this matter, please call the undersigned
Applicant's attorney at (408) 392-9250.

I hereby certify that this correspondence is being deposited with
the United States Postal Service as First Class Mail in an envelope
addressed to: Commissioner for Patents, Washington, D.C.
20231, on December 12, 2002.

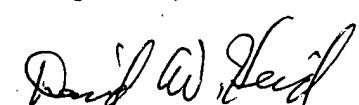


Attorney for Applicant



Date of Signature
Dec 13, 2002

Respectfully submitted,



David W. Heid
Attorney for Applicant
Reg. No. 25,875



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POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST

Sir:

The above-identified assignee, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified below to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Customer No. 32605

Please address all correspondence and telephone calls regarding this application to:

David W. Heid
MacPherson Kwok Chen & Heid LLP
2001 Gateway Place, Suite 195E
San Jose, CA 95110
Phone: (408) 392-9250
Fax: (408) 392-9262

ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application/patent by virtue of a chain of title from the inventor(s) of the above-identified patent application/patent to the above-identified assignee as shown below:

1. From: Toshio Kazama To: NHK Spring Co., Ltd.

The document was recorded in the United States Patent and Trademark Office at Reel 012894, Frame 0762. A copy of the document is attached.

The document was submitted to the Patent and Trademark Office for recordation on _____ . A copy of the document is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Date: October 30, 2002

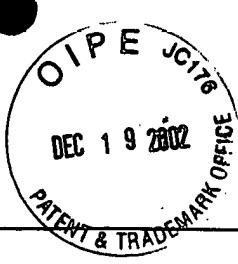
By: Koji Kawamura
(Signature)

Name: Koji KAWAMURA
(Printed or Typed Name)

Title: Executive Vice President



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SKJERVEN MORRILL MACPHERSON LLP
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JUL 24 2002

Skjerven, Morrill LLP



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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/28/2002

REEL/FRAME: 012894/0762
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KAZAMA, TOSHIO

DOC DATE: 02/12/2002

ASSIGNEE:
NHK SPRING CO., LTD.
10, FUKUURA 3-CHOME, KANAZAWA-KU,
YOKOHAMA-SHI
KANAGAWA, JAPAN

SERIAL NUMBER: 10070290
PATENT NUMBER:

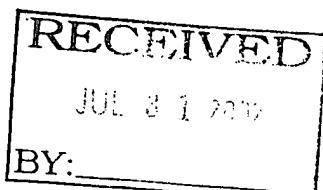
FILING DATE: 02/28/2002
ISSUE DATE:

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
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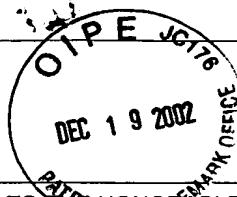
*Stacey Oshima + Marushima
Dwitt AB-125 US
transferred to Alan MacPherson*

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5019 Rec'd PCT/PTO 28 FEB 2002
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05-20-2002

TO THE HONORABLE DIRECTOR
ORIGINAL DOCUMENTS OR

102096193

1. Name of conveying party(ies):

KAZAMA, Toshio

02/28/02

Additional name(s) of conveying party(ies) attached?

 Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: February 12, 2002

Name and address of receiving party(ies):

Name:

Address:

Additional name(s) & address(es) attached?

 Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 12, 2002

A. Patent Application No.(s) -

Title: CONDUCTIVE CONTACT MEMBER

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: Alan H. MacPherson

Internal Address: SKJERVEN MORRILL MacPHERSON LLP

Street Address: 25 METRO DRIVE, SUITE 700

City SAN JOSE State CA Zip 95110

03/12/2002 MNNGUYEN 00000055 192386 10070290

02 FC:581 40.00 CH

7. Total fee (37 CFR 3.41): \$40.00

Authorized to be charged to Deposit Account 19-2386
 Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

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8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alan H. MacPherson 24,423
Name of Person Signing

Signature
Feb 28, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 2

Assignment

For good and valuable consideration, receipt of which is hereby acknowledged, we

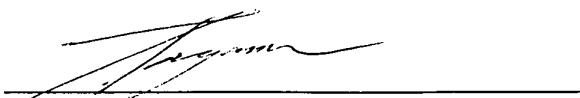
Toshio KAZAMA, c/o NHK SPRING CO., LTD., 3131, Miyadamura, Kamiina-gun, Nagano, JAPAN

hereby sell, assign and transfer to NHK SPRING CO., LTD., a Japanese corporation, having a place of business at 10, Fukuura 3-chome, Kanazawa-ku, Yokohama-shi, Kanagawa, JAPAN, its successors and assigners, the entire right, title and interest throughout the world in our invention in

" CONDUCTIVE CONTACT MEMBER "

for which I have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 12th day of February, 2002.



Toshio KAZAMA